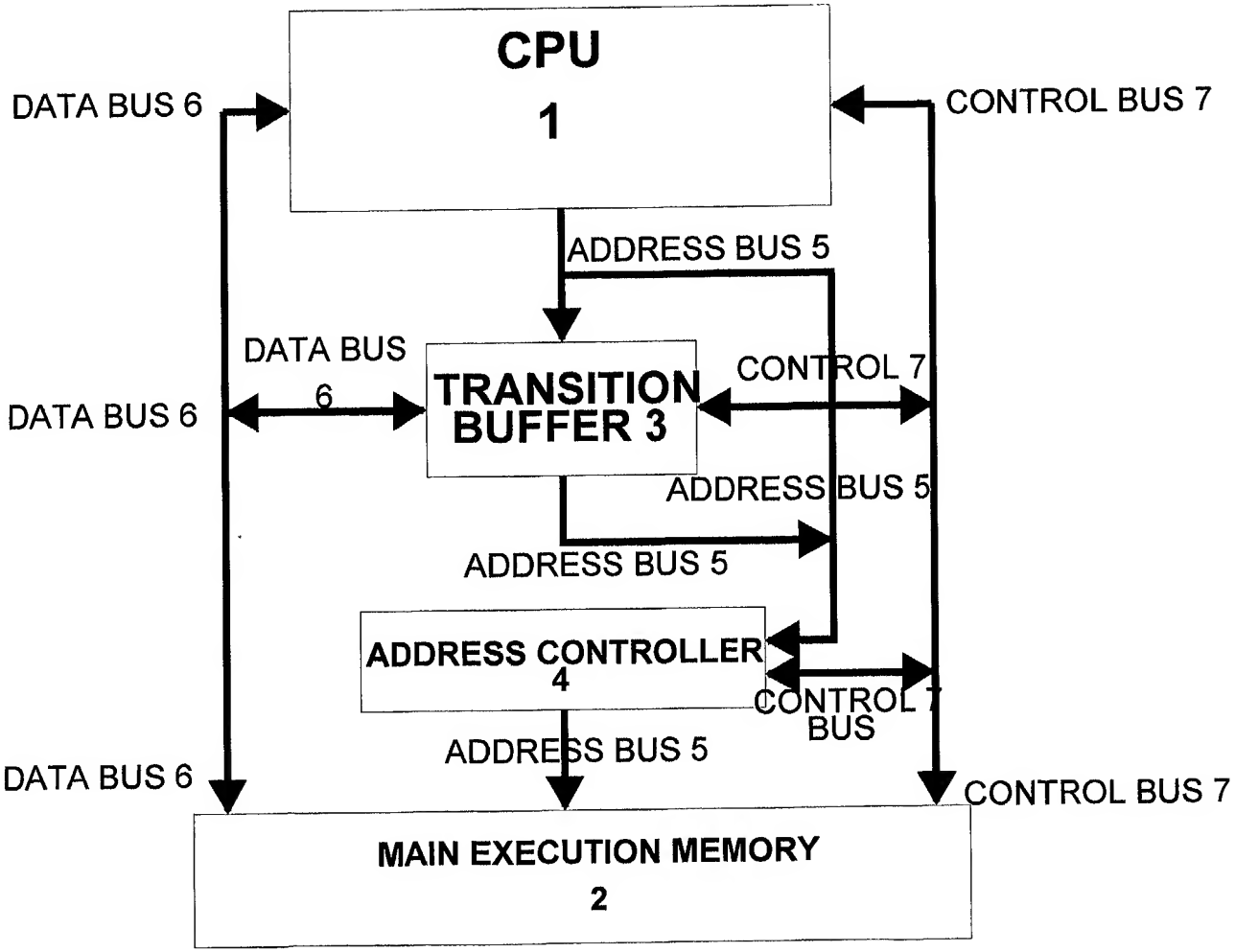
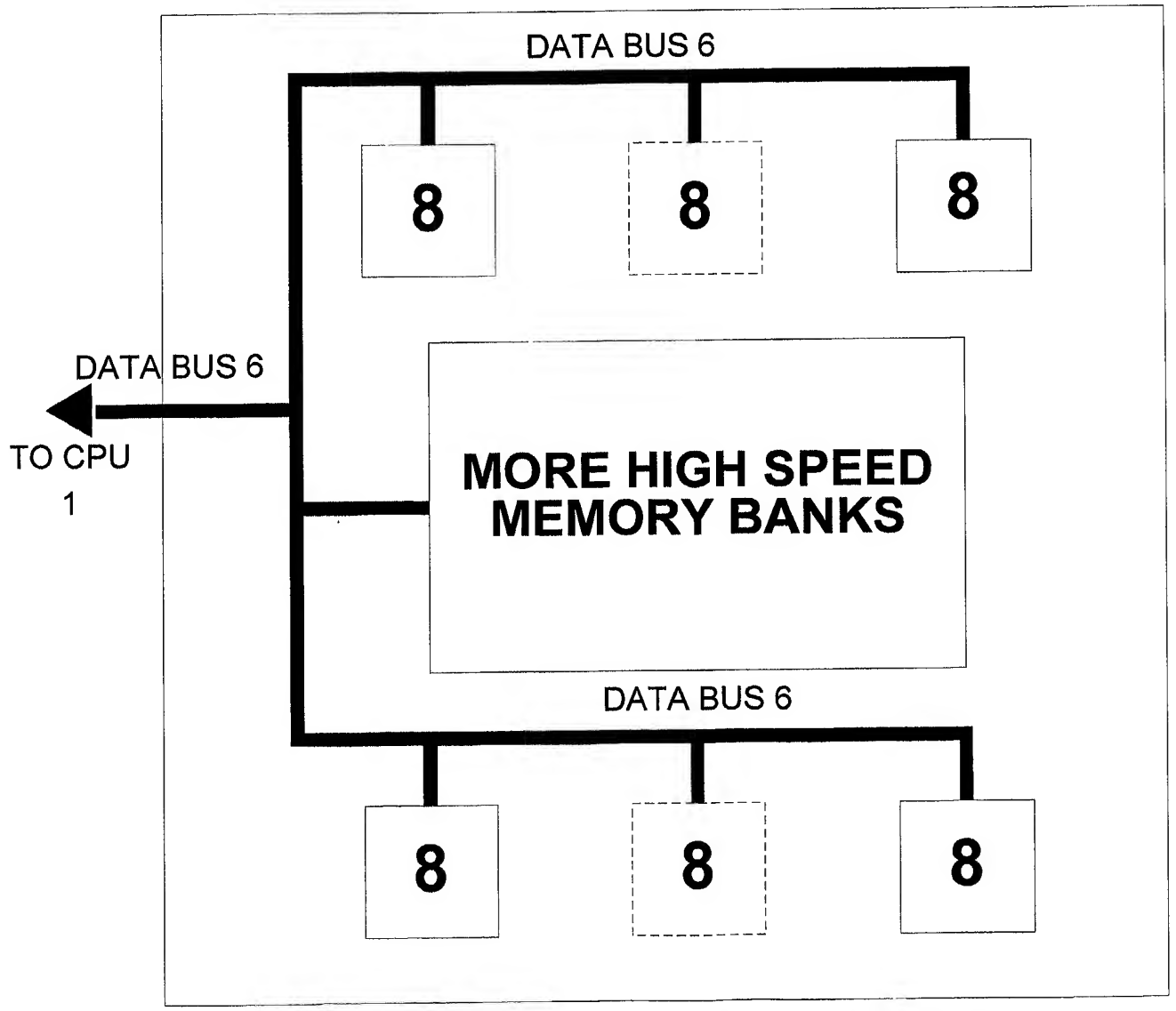


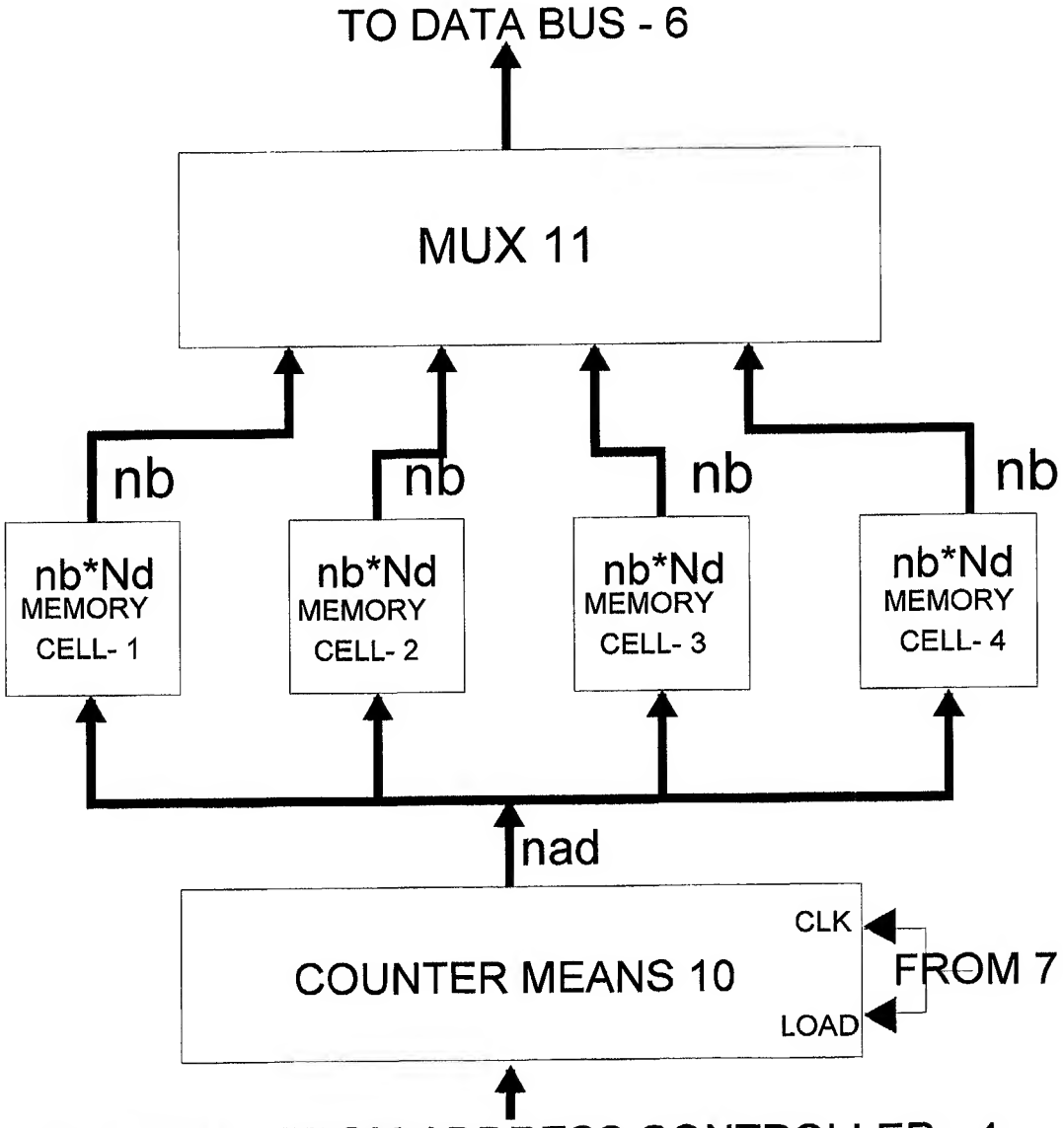
ARCHITECTURAL REPRESENTATION OF CACHELESS COMPUTER SYSTEM

FIGURE - 1



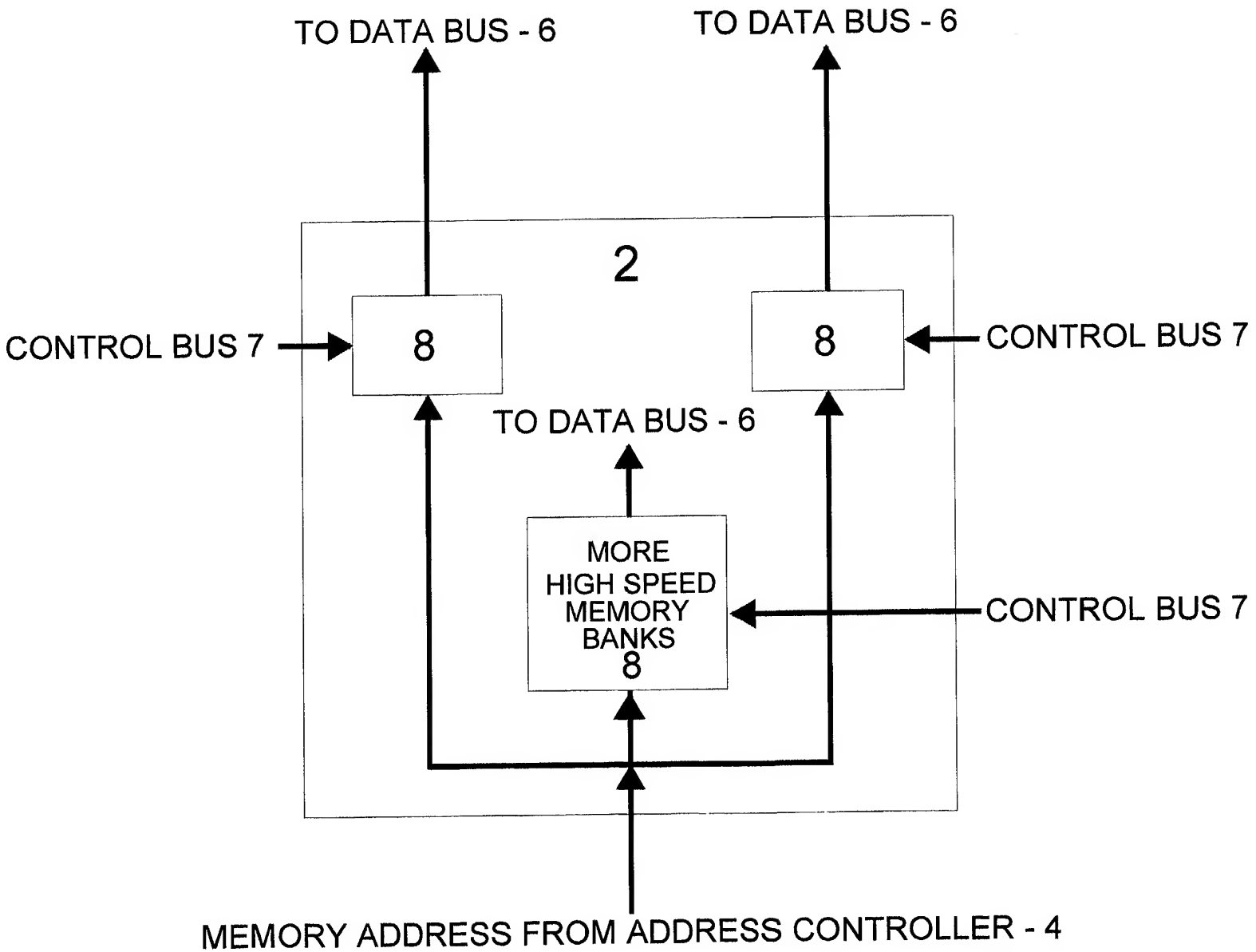
MAIN EXECUTION MEMORY

FIGURE - 2



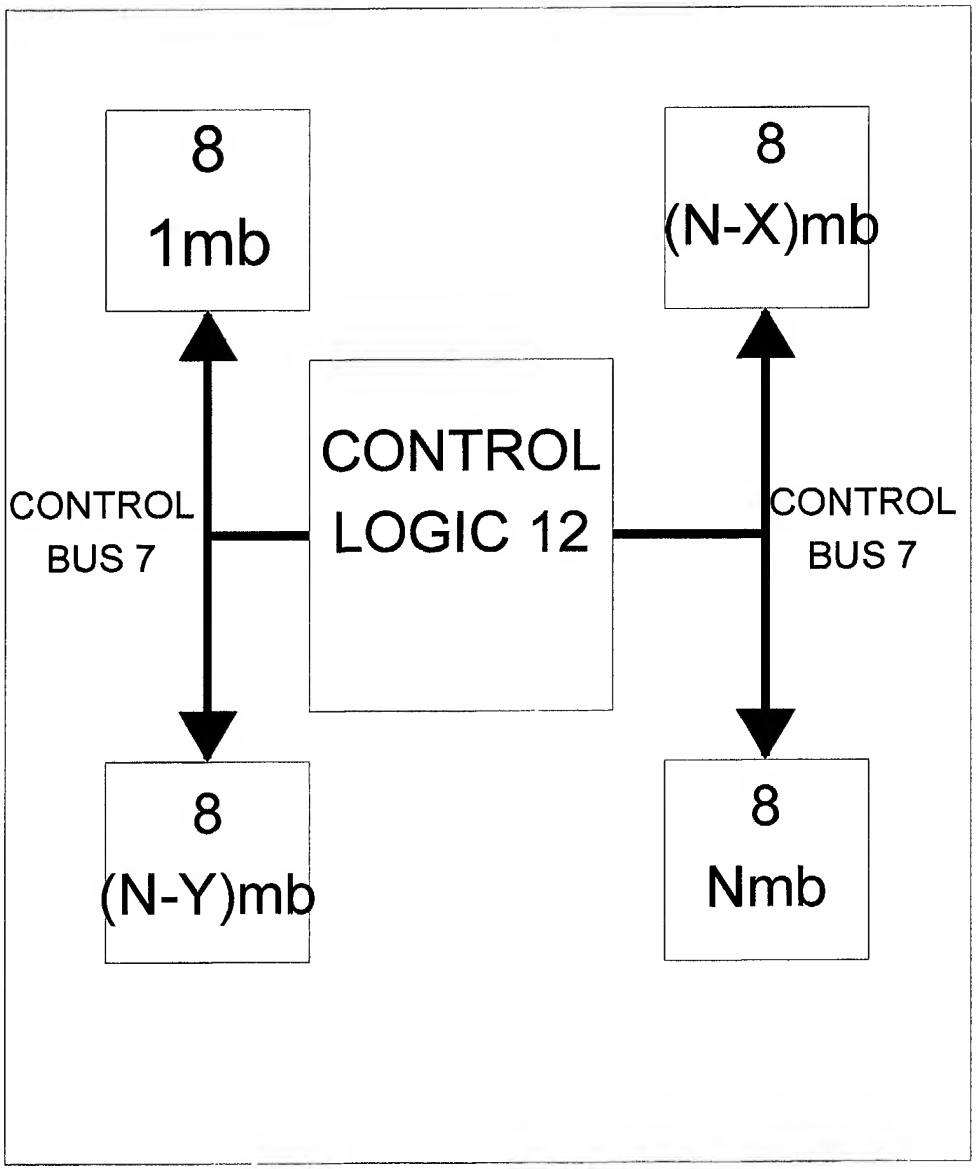
HIGH SPEED MEMORY BANK

FIGURE 3



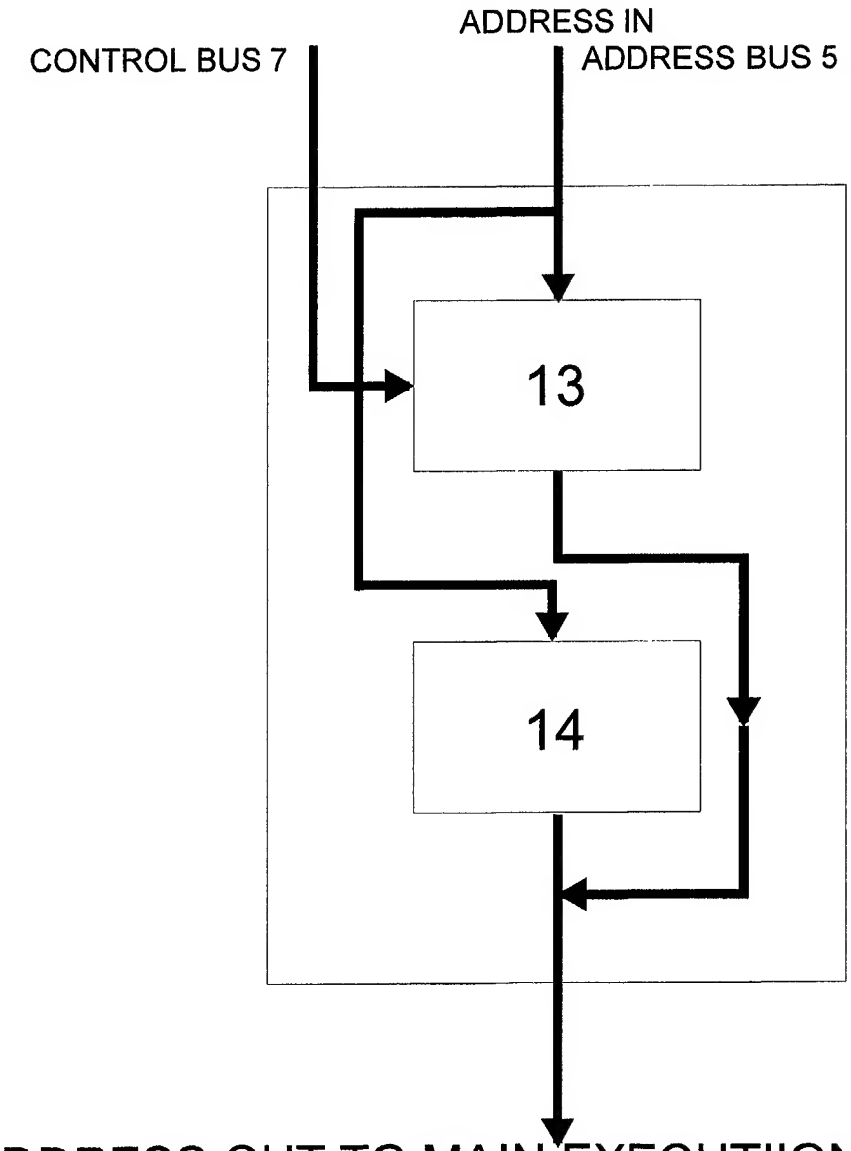
CONNECTION SCHEME FOR HIGH SPEED MEMORY BANKS

FIGURE 4



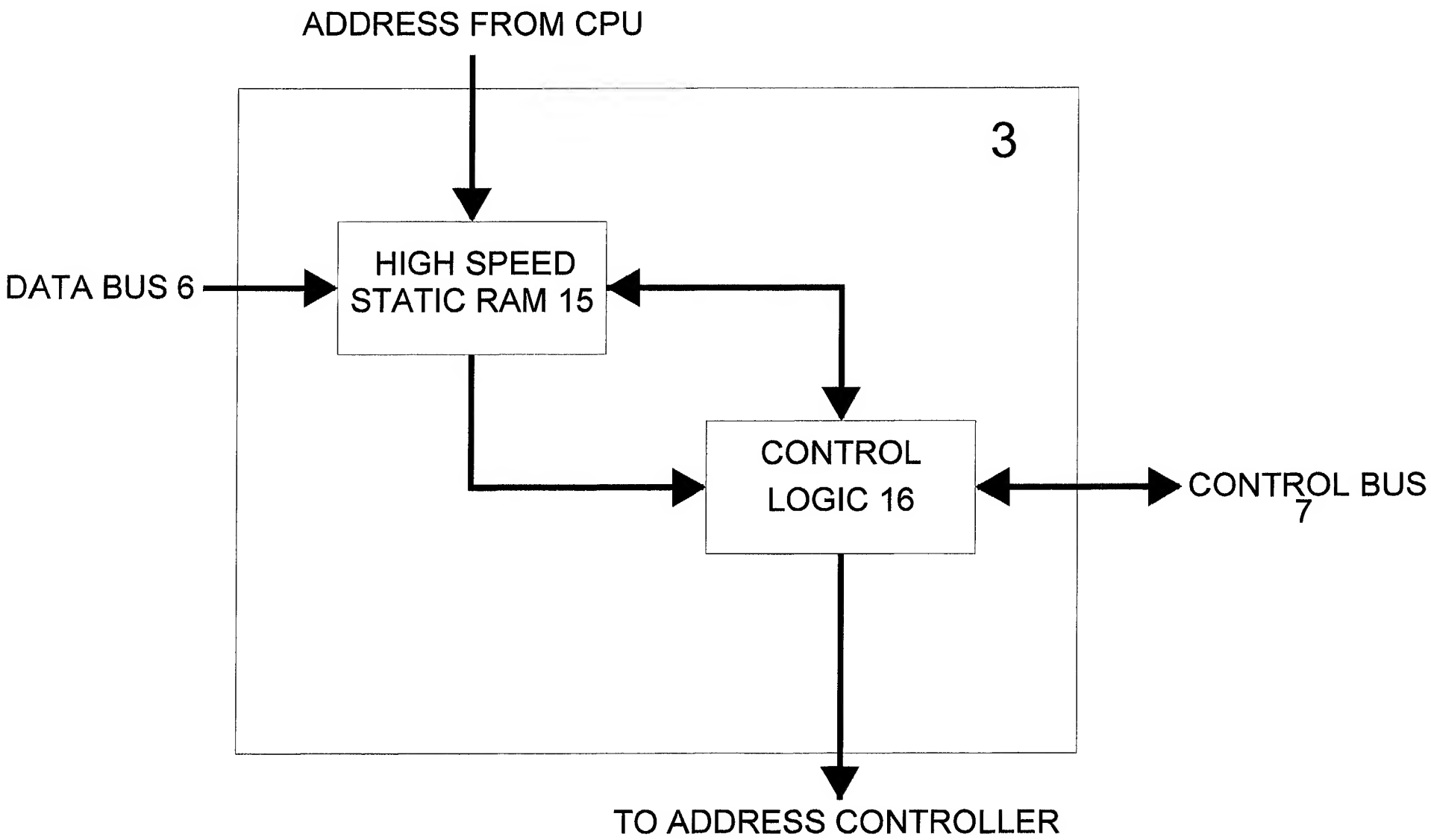
FLEXIBLE CONNECTION SCHEME FOR MAIN EXECUTION MEMORY

FIGURE 5

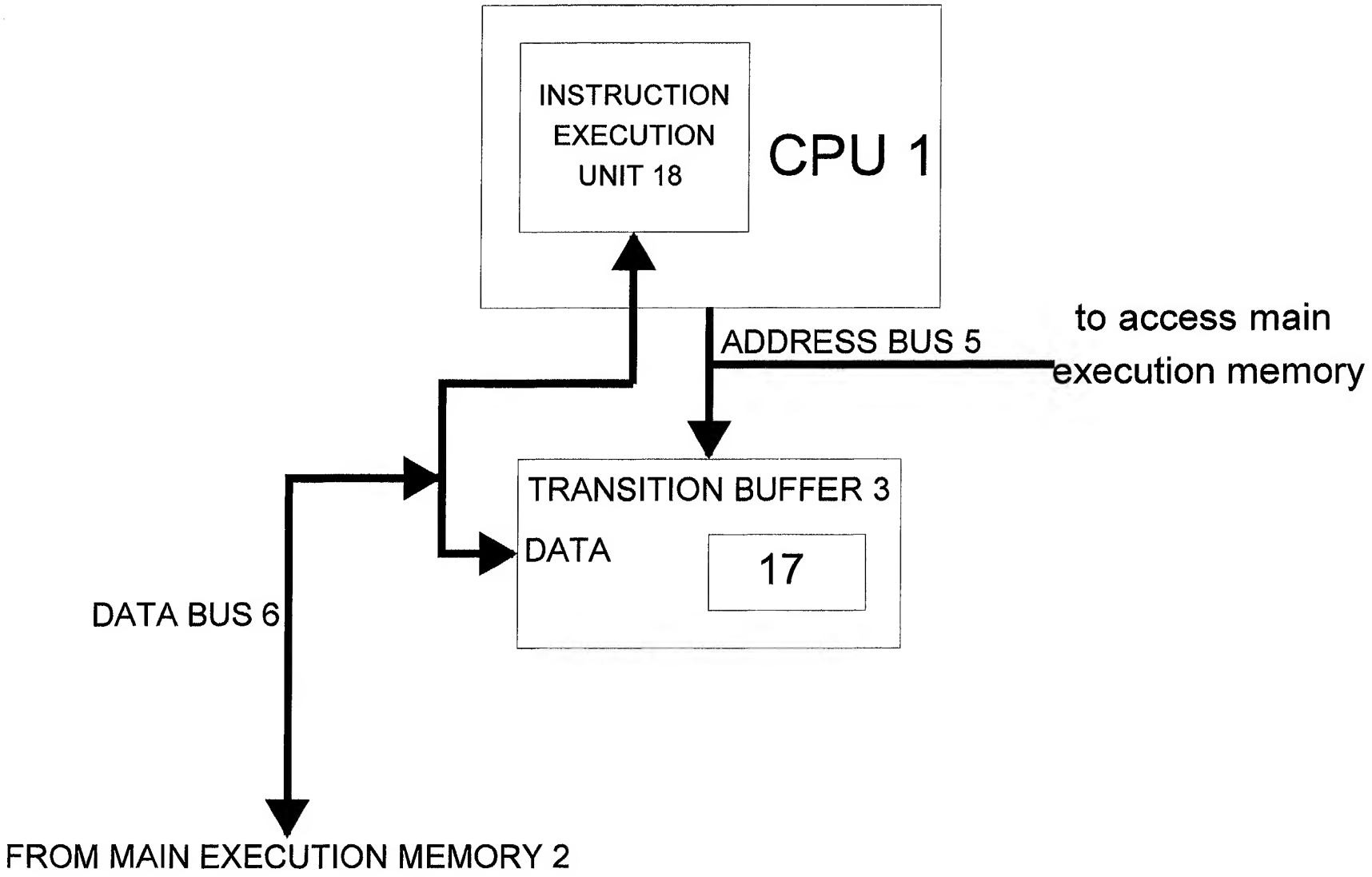


ADDRESS CONTROLLER MODES

FIGURE 6



TRANSITION BUFFER
FIGURE 7



IMPLEMENTATION OF NON PIPELINED ARCHITECTURE

FIGURE 8

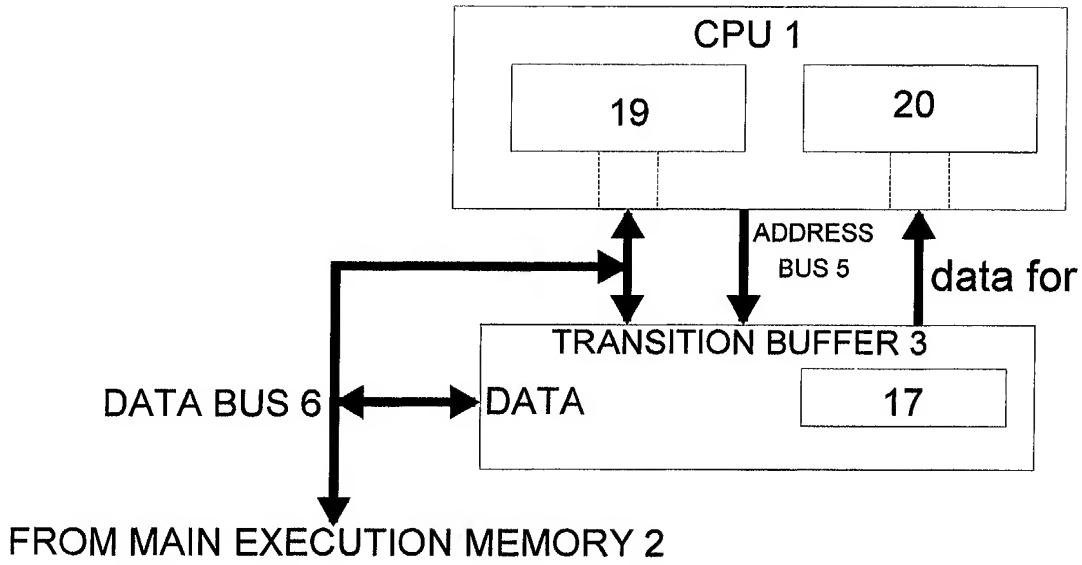


FIGURE 9

IMPLEMENTATION OF PIPELINED ARCHITECTURE

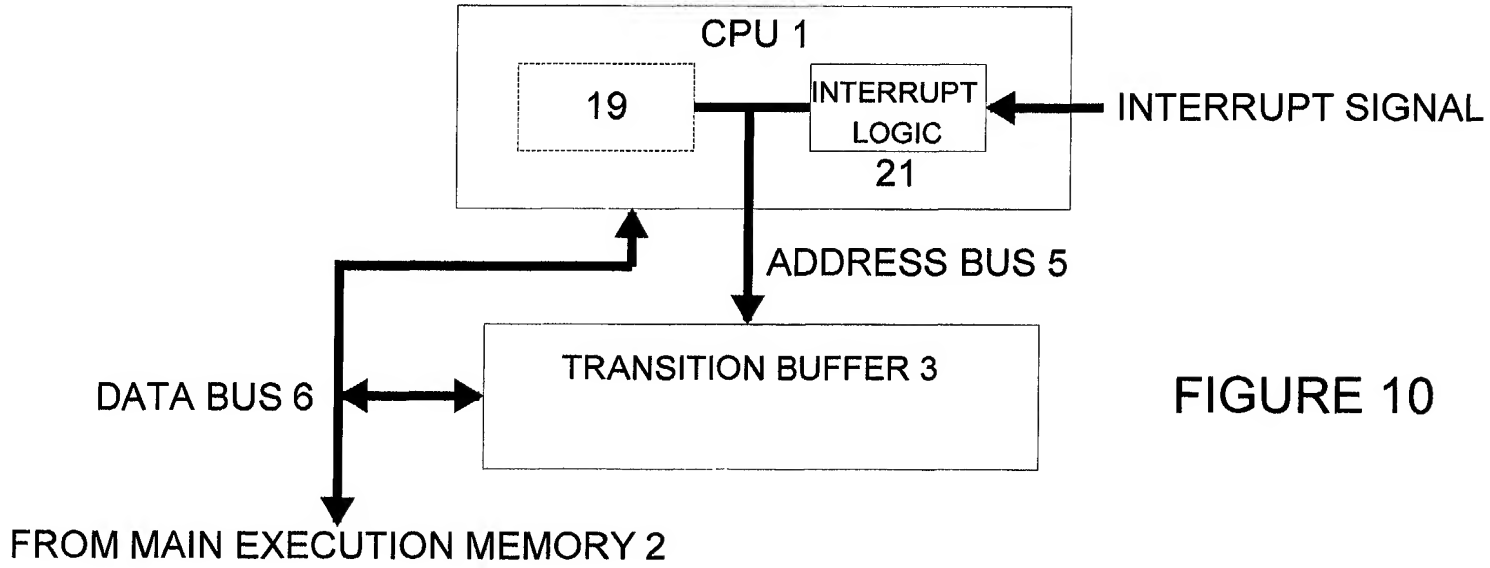
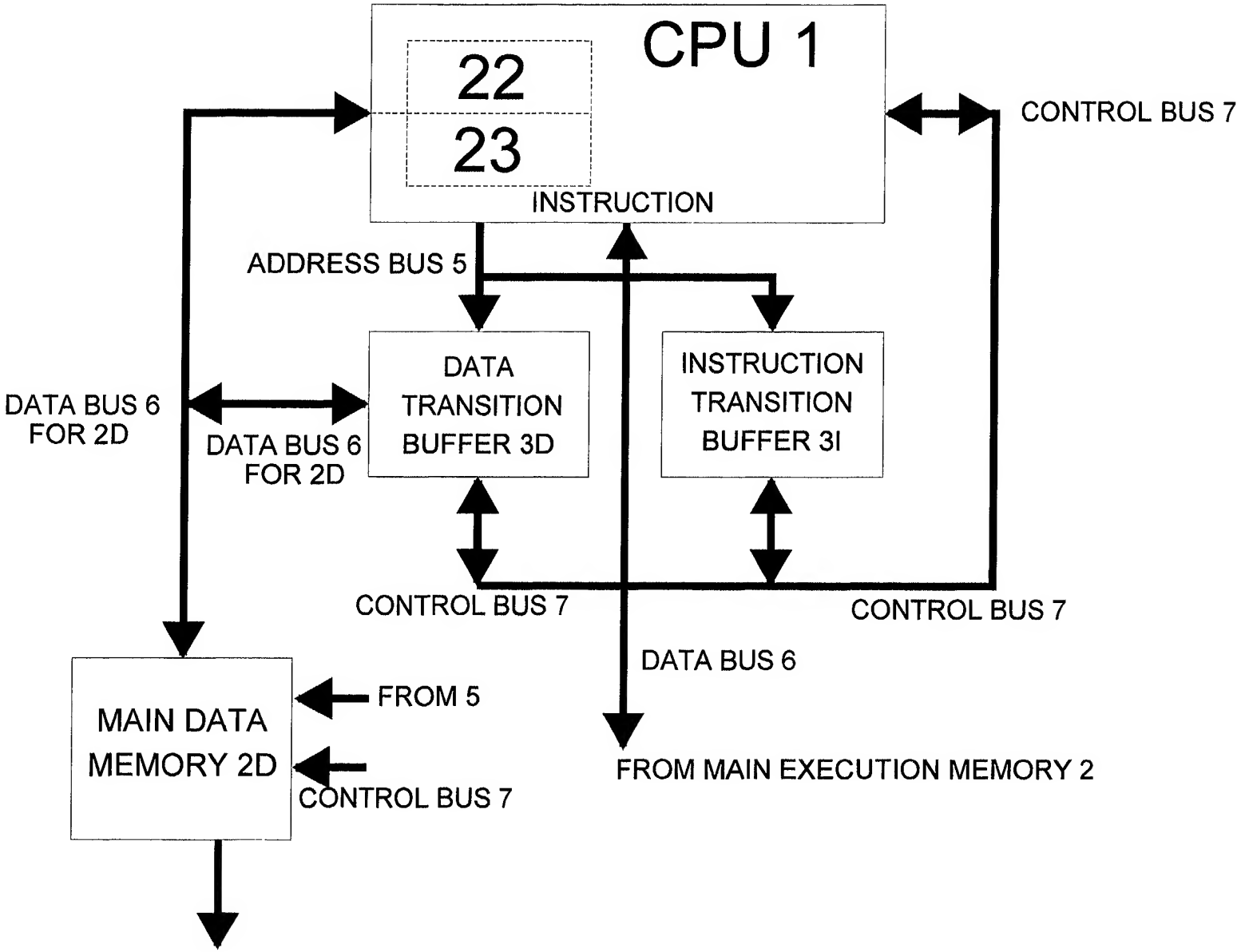
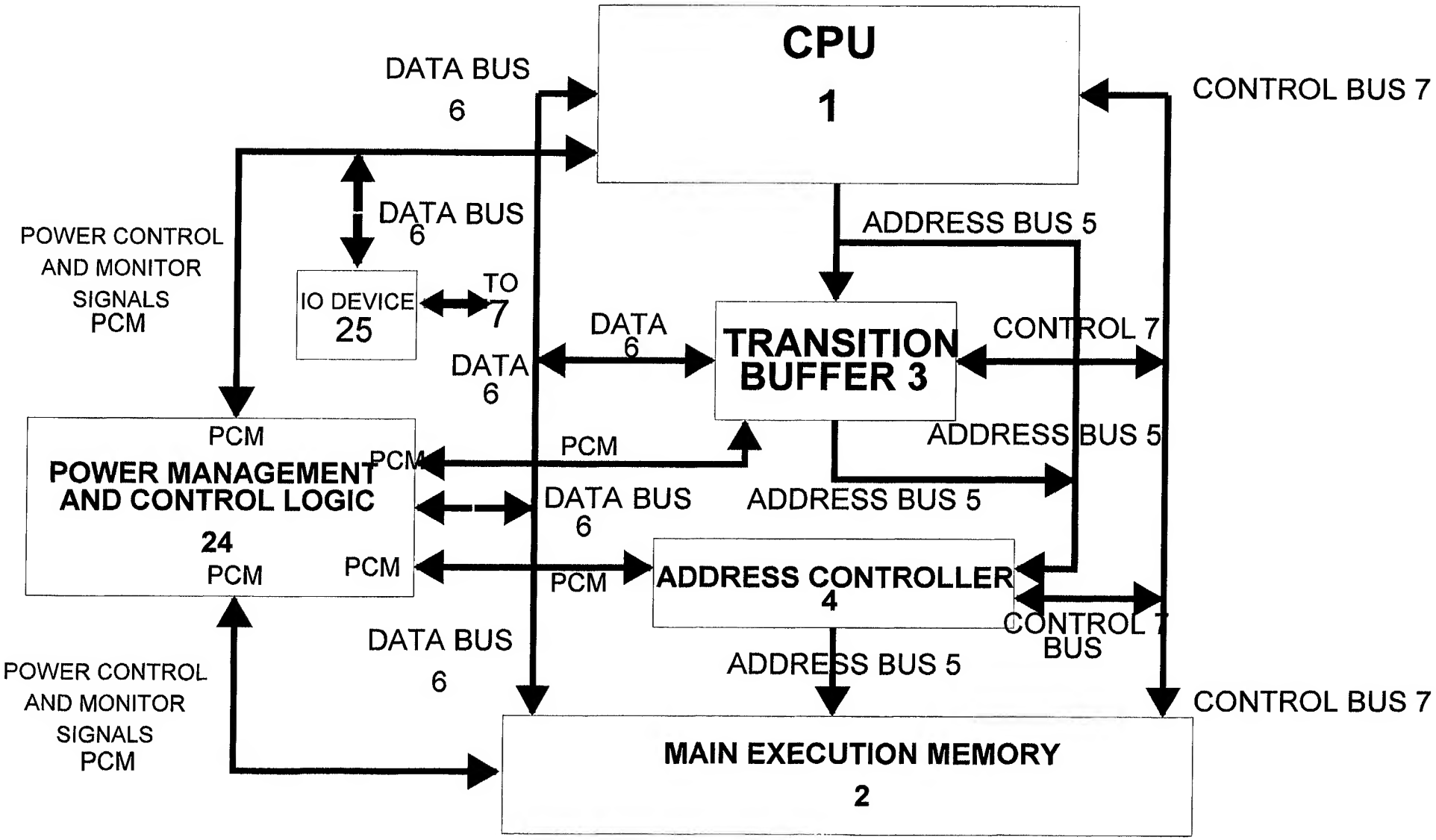


FIGURE 10

IMPLEMENTATION OF INTERRUPT LOGIC

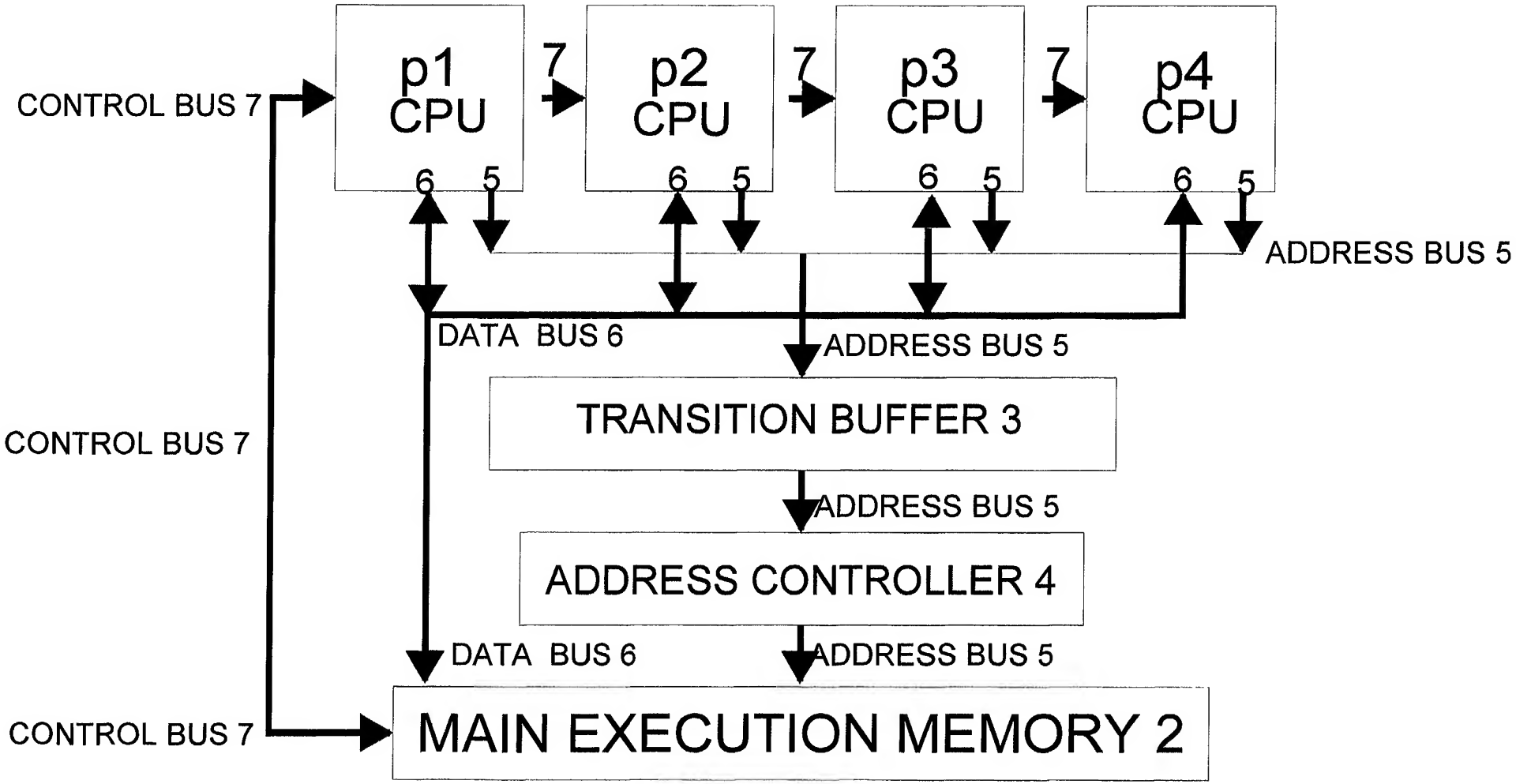


HARVARD ARCHITECTURE
FIGURE 11



POWER MANAGEMENT AND CONTROL LOGIC

FIGURE 12



PARALLEL OPERATION WITH MULTIPROCESSORS
FIGURE 13